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Fig.1(a)

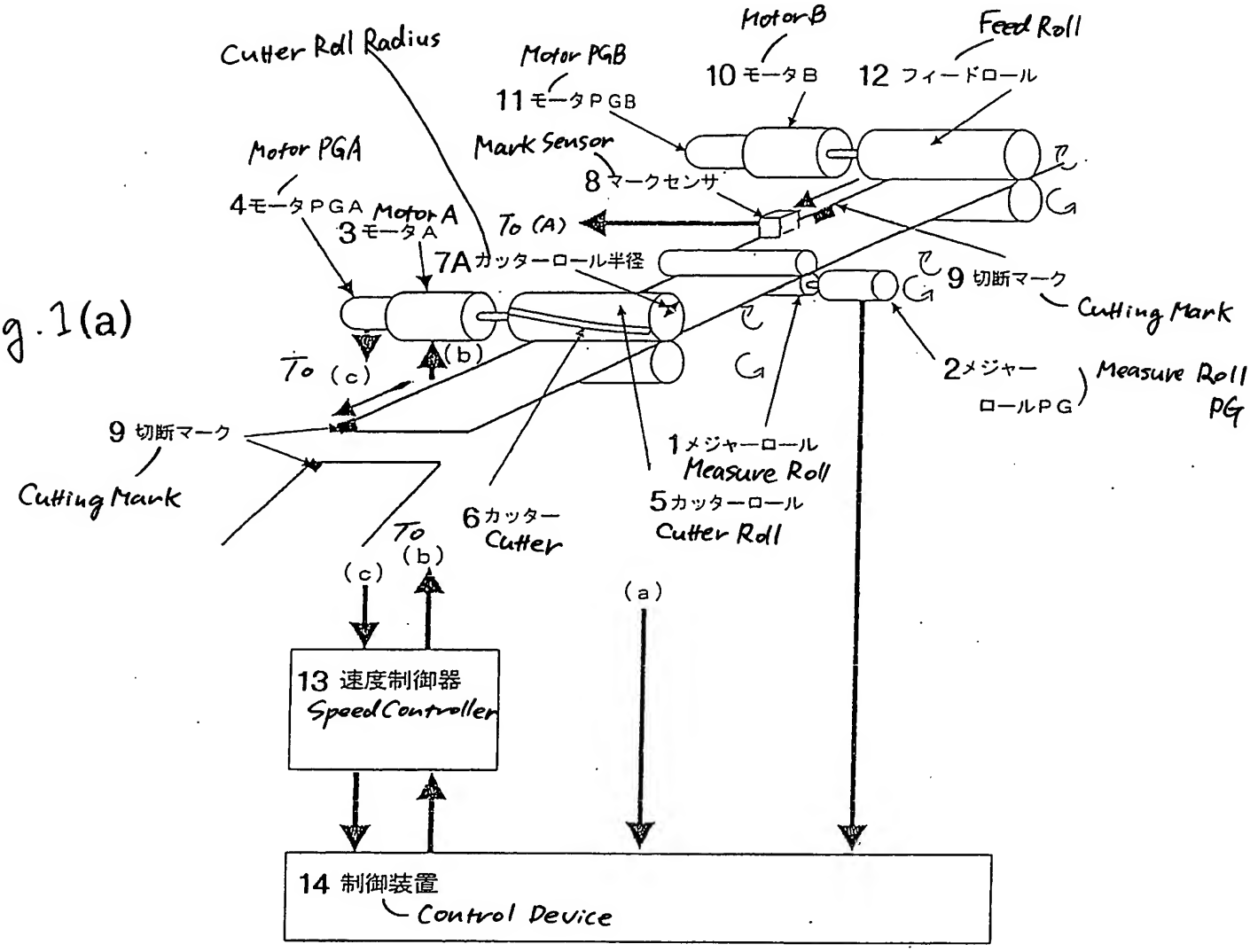


Fig.1(b)

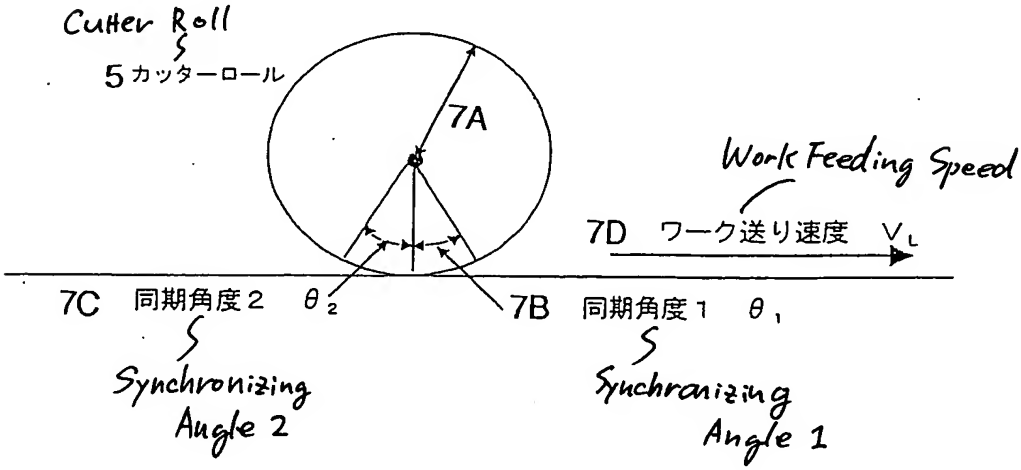
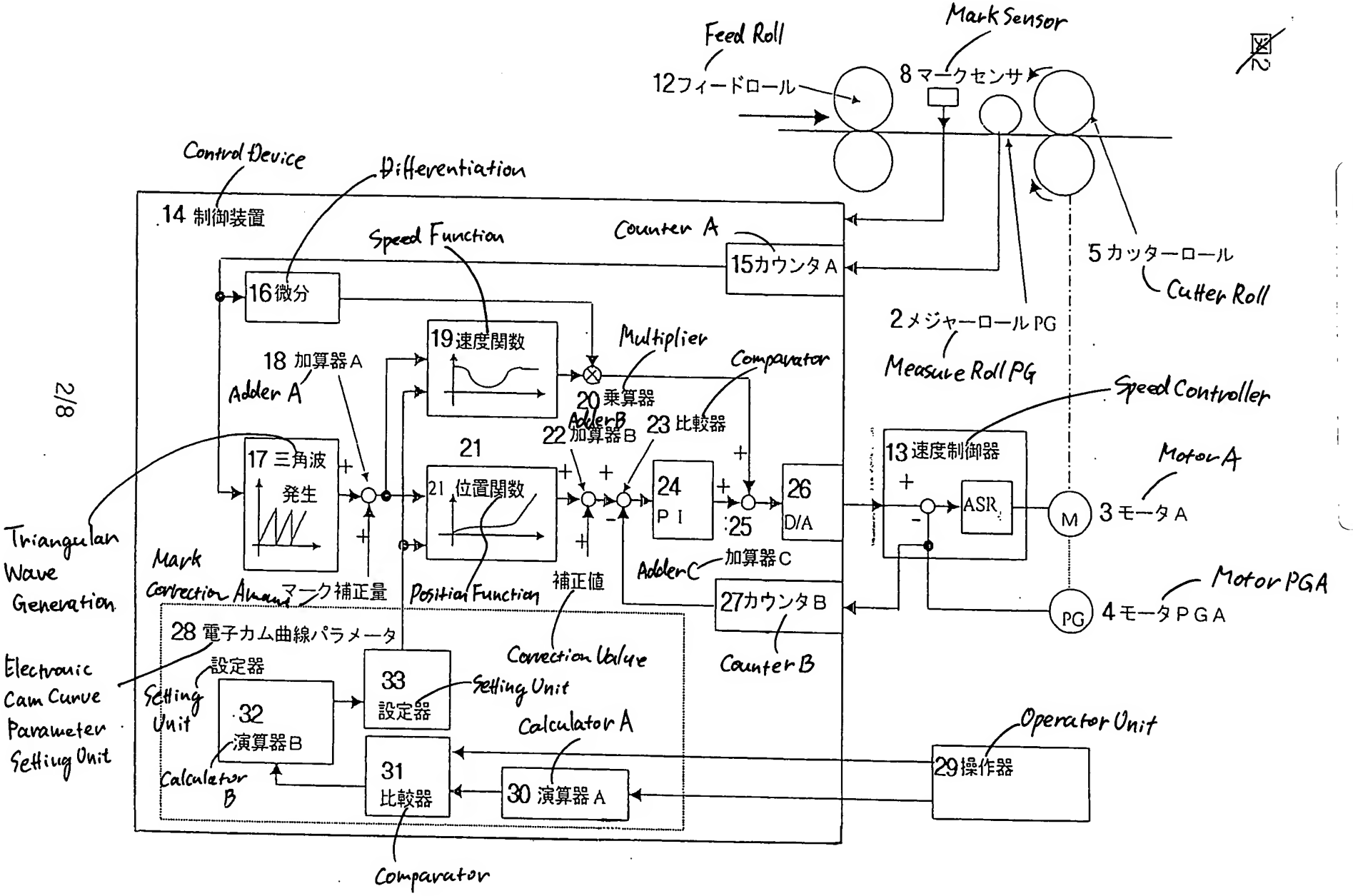


Fig. 2



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Makoto AKAMA
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図3

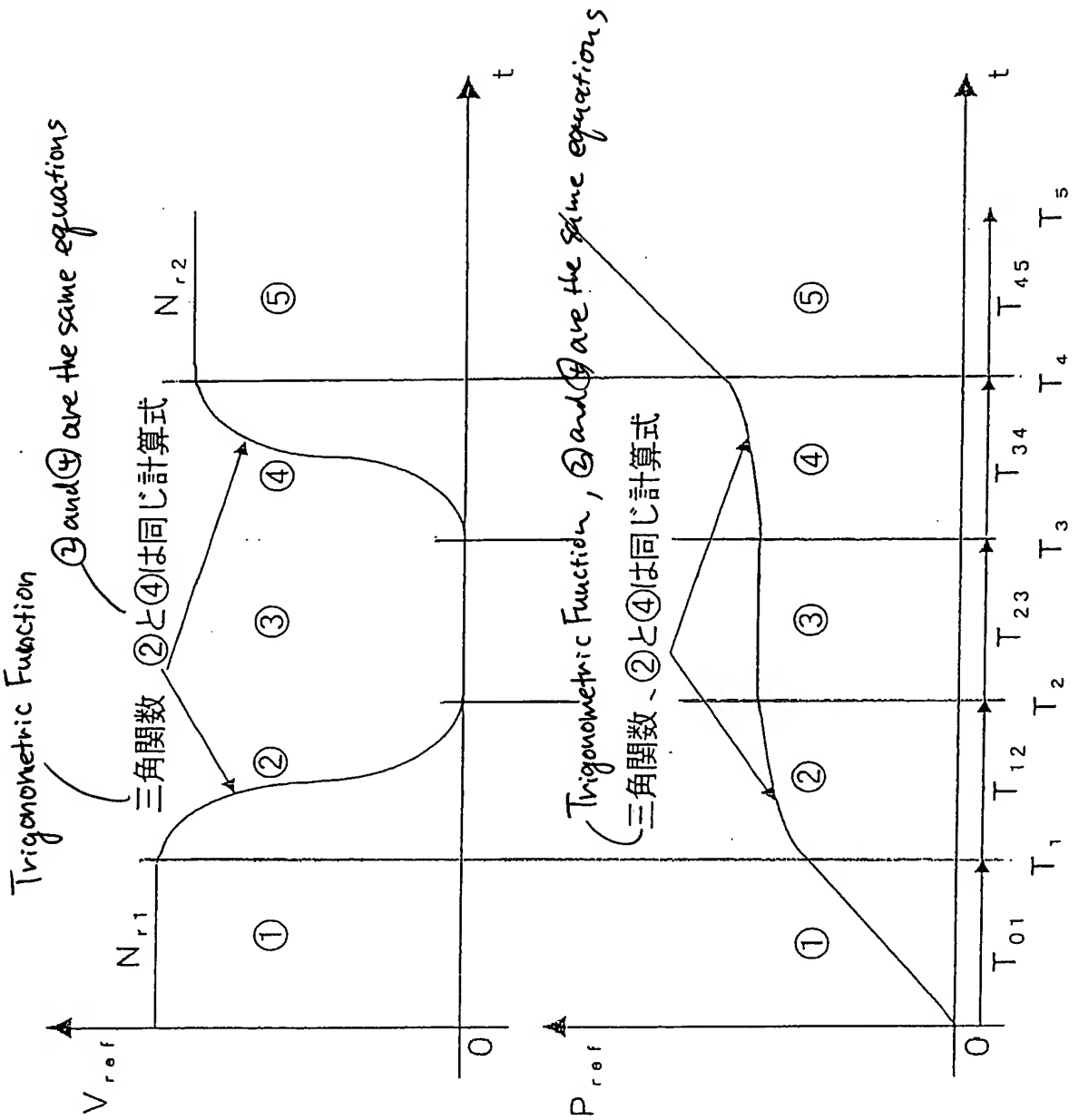

Fig. 3 (a)

Fig. 3 (b)

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図4

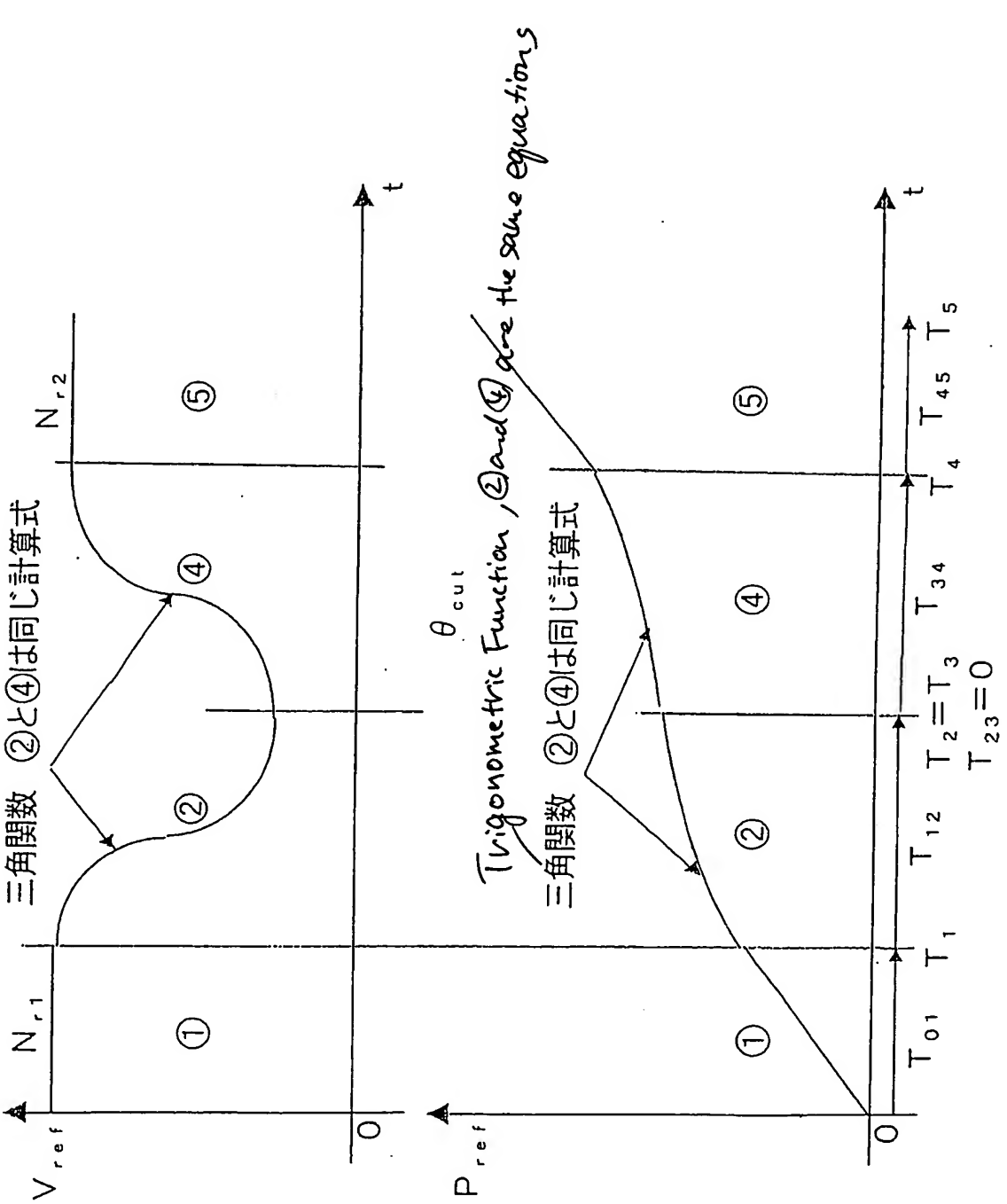

Fig. 4 (a)

Fig. 4 (b)

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~~5~~ Fig. 5

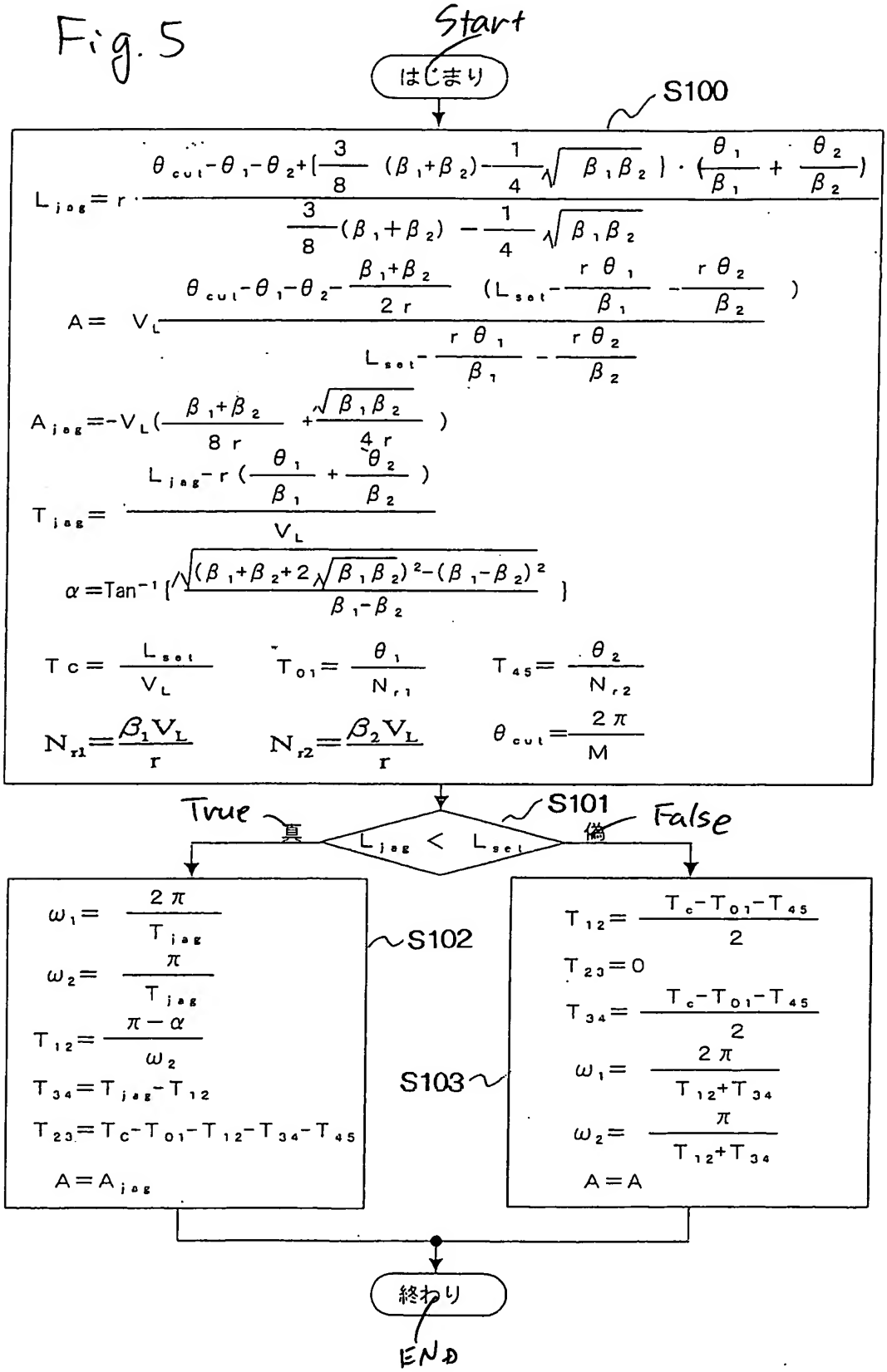

図6

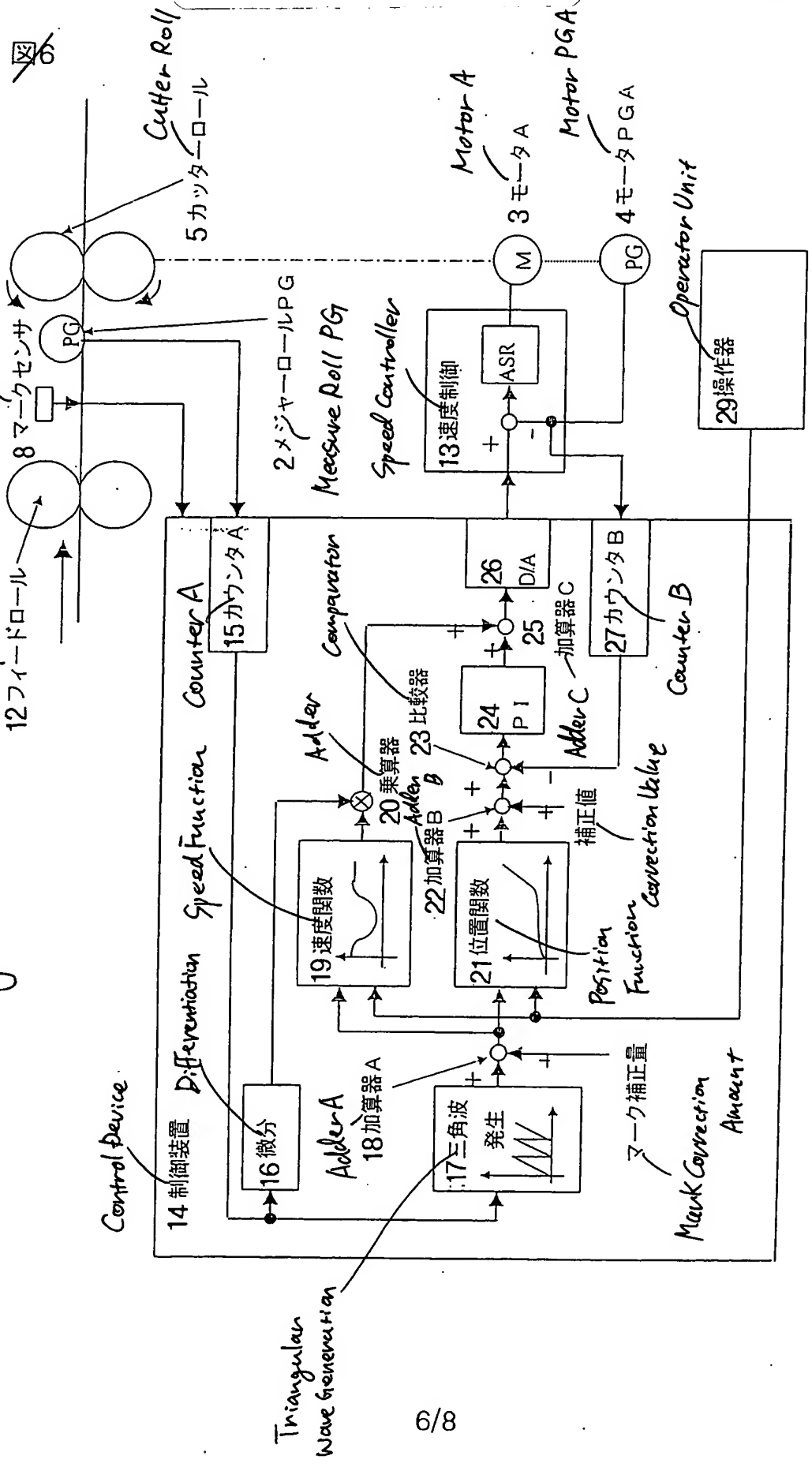
Cutter Roll
5カッターロール
Motor A
3モータA
Motor PGA
4モータPGA
Operator Unit
29操作器
Mark Sensor
8マークセンサ
PG
2メジャーロールPG
Measure Roll PG
Speed Controller
13速度制御
ASR
Feed Roll
12フィードロール
Counter A
15カウンタA
Comparator
23比較器
26
D/A
25
加算器C
Adder C
24
PI
27カウンタB
Counter B
Adder
20乗算器
Adder B
22加算器B
補正値
Correction Value
Speed Function
19速度関数
Position Function
21位置関数
Control Device
14制御装置
Differentiation
16微分
Adder A
18加算器A
17三角波
発生
マーク補正量
Mark Correction Amount
Triangular Wave Generation

Fig. 6

図7

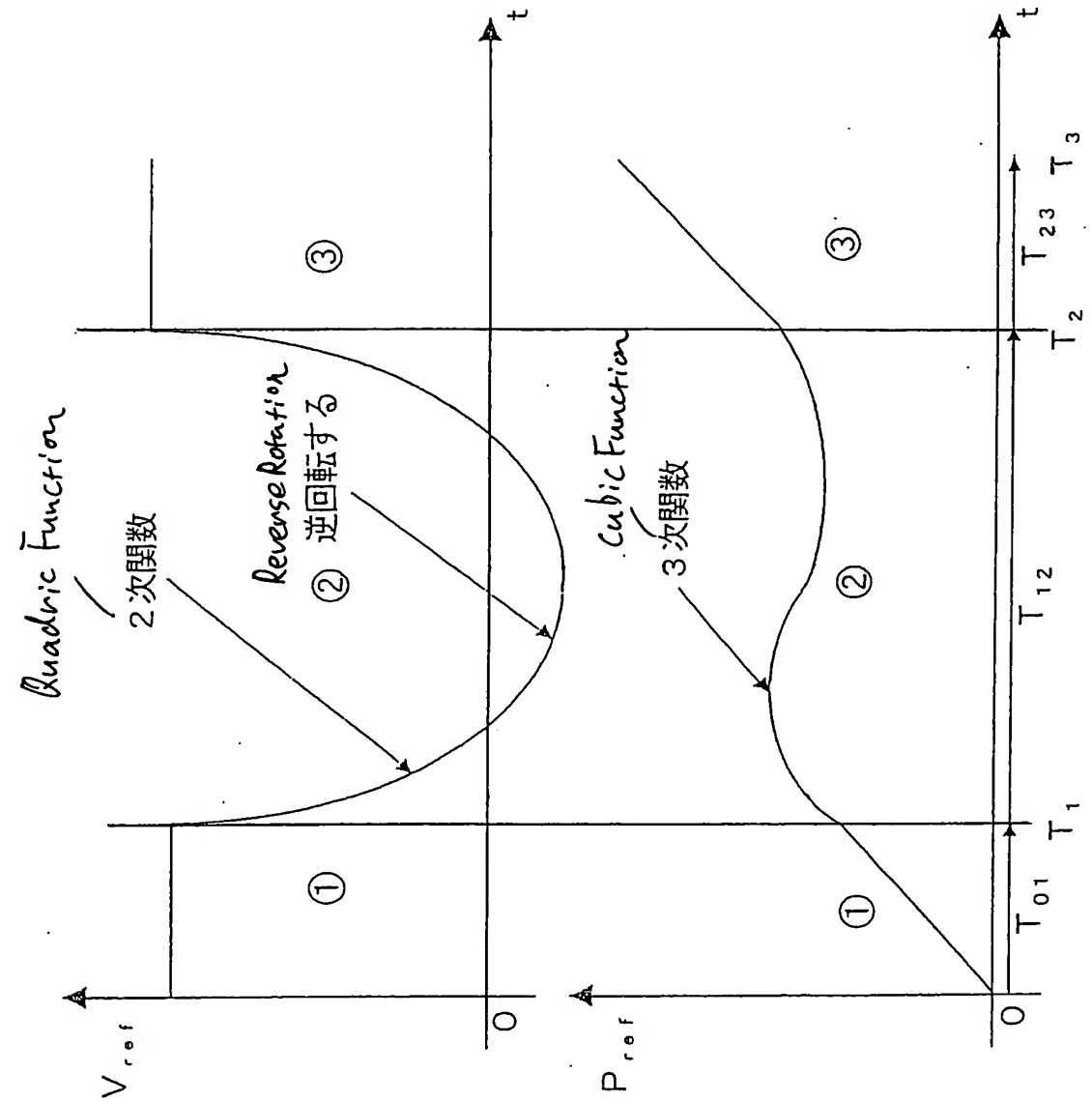

Fig. 7 (a)

Fig. 7 (b)

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図8

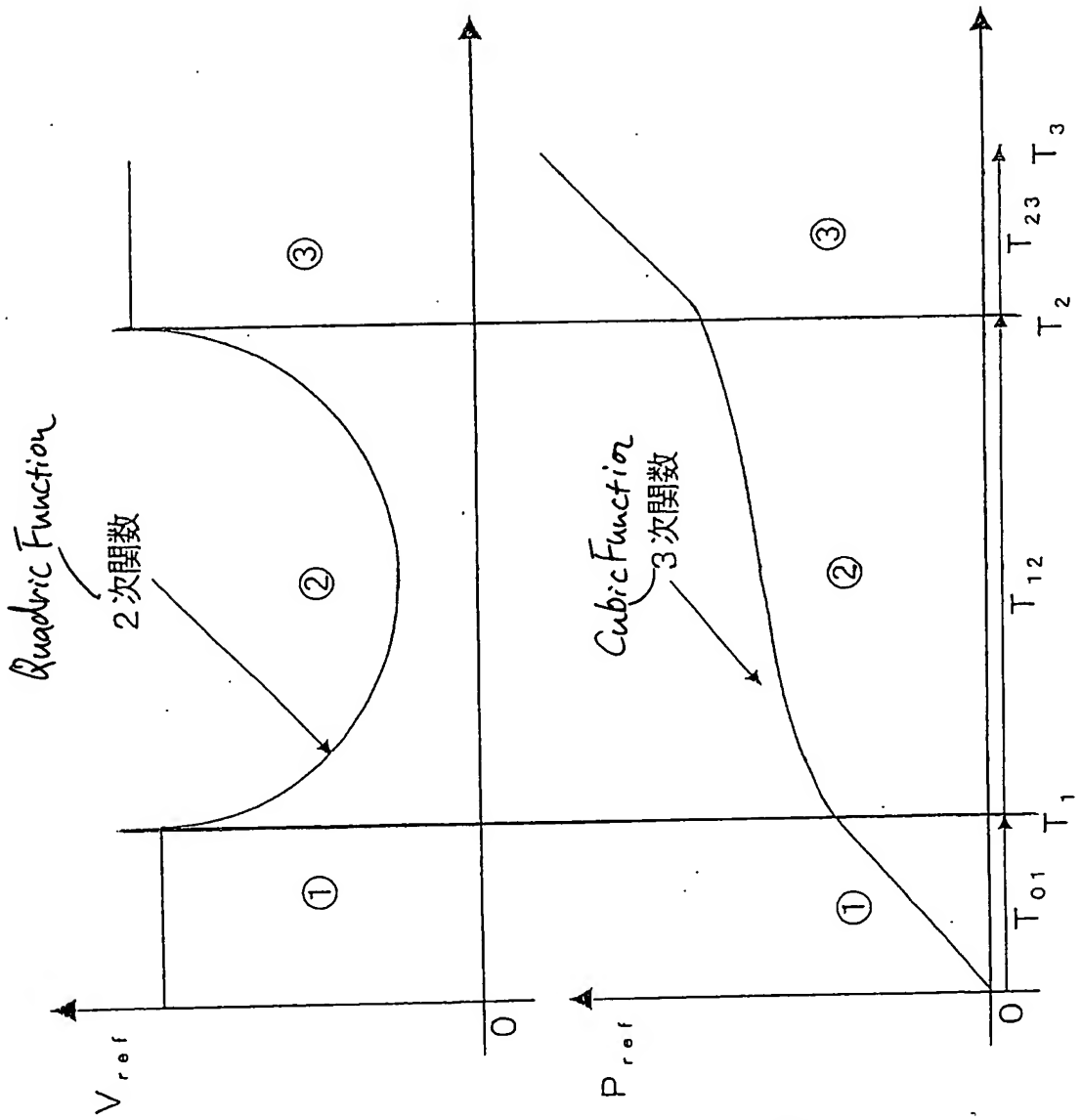

Fig. 8 (a)

Fig. 8 (b)